

BOQ FOR ELECTRICAL WORKS CANARA BANK DBU AT MAHENDRAGARH

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B	SCHEDULE - 'A' (ELECTRICAL WORK)				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	ELECTRICAL WORK				
1	ELECTRICAL WIRING & EARTHING				
	Supply,laying,connection & testing of light,fan point, wiring by 2x1.5mmsq(2x3/.029) +1x1mmsq PVC insulated, multistrand single core copper conductor FRLS wire maintating the colour code as per direction in PVC conduite of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawaing including 3 point ceiling rows wherever required GI saddle to be used for fixing,metal flexiable/PVC flexiable pipe may use if requied in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe,light, fan & plug point complete with modular type switch plate & MS box . rate Including the main circuite line 2x2.5mmsq+1x1.5mmsq earth PVC insulated Cu. Wire from DB to switch board ,maintaining the colour code. Circuite line for lighting switch board & 6Amps plug board are to be drawn from lighting DB to Lighting board & plug point board (independent), 6/16 Amps plug point line are to be draw from power DB.as per DBschedule /SLD				
a)	1 light by 1 switch	Nos.	8		
b)	2 light by 1 switch	Nos.	8		
c)	Same as above 5A Point in the switchboard itself.	No	2		
2	Supply and installation modular type 16A, 5-pin socket with 16A one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer , the rate shall include wiring fusing 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories (for line printer : or optional).(upto 2 independent plug points can be taken in one circuit)	Nos.	4		
3	Acs electrification :-				
a	Supply and fixing 20A 3-pin modular socket with 20A one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilzer to IDU)Supply (2 Nos for ATM).	Nos	2		
b)	Supply and fixing 20A - 3 pin metal clad socket with plug controlled by a 20A SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stablizer (2 Nos for ATM)	Nos	2		
4	LAYING OF CABLE :				
a	Supply laying fixing main power with 25mm sq 3.5 core PVC insulated,PVC sheated Alu.Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bear GI.wire as running earth .(Meter panel to Main Panel & Dgset to Main Panel)	Mts.	75		
b	End termination of 50mmsq 3.5 Core armoured cable,complete with brass cable gland , Alu. Lug, PVC tape.	Nos	6		
5	Out door type glow sign board wiring :-				
a	Supply laying of main line with 2x2.5 +1x1.5 mmsq through MS conduite from main panal to glow sign board.	Mts	35		

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S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
b	Supply installation of 16 amps DP MCB at main entrance Glow sign board & With Electronic timer as required.	Set	1		
6	EARTHING STATION :				
a	Earthing installation as per I.E. rule conforming to IS 3043-1987 or its latest amendent by making earth station with 600x600x3mm (mini-mun) thick copper plate electrode to be installed such that is top edge shall be at a minimum depth of 3.3mts below ground level after preparation of ground with charcoal, sand ,& salt, connecting the 25x3mm thick copper lead in strip (upto 10 mts length) by bolting and brazing to the copper plate complete with Brass bolt of suitable length double nuts & washer including supply & fixing of 50mm dia 2.3Mts long partly perforated G.I. Pipe with funnel for watering arragment.				
	N.B :- <u>The Copper plate to be buried under 3.3Mts depth from ground level, including C.I. Pit 300x300mm with necessary brick wall (For UPS earthing).</u>	Set	2		
b	Supply laying 2x8SWG copper bear wire from earth spike to main panal.(Electrolite wire)	Mts	30		
7	Supply and installation of modular type 3 nos 6A multi pin sockets with 2 nos 6A one way switch with indicator housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer including making connections complete the rate inclusive of Supplying and running of 3 runs of 2.5 sq.mm UPS DB's to individual powerstation through .(looping 2 sets of 3X6 A socket outlet in one circuit / or as per SLD the following size of 660 volts grade, Finolex brand PVC insulated wire (For UPS point only).(For B.M. , Server & C.C.) & ATM 1 No. from separate ATM UPS.	Nos	8		
8	2' X2' PLUTO NEO PANEL 4000K, CAT NO. LHEWEJP6PL 1W034, PHILIPS/WIPRO MAKE (ATM 2 No)	Nos.	6		
9	DOWNLIGHTER - INTEGRA 15W, 3000K, LHEBGTP5Z1W015, PHILIPS/WIPRO MAKE (ATM 2NOS)	Nos.	15		
10	TUBELIGHT - TITANIA SLEEK NEW T5 LED TUBELIGHT 18W, LHLDCNVENL8Z018, PHILIPS/WIPRO MAKE. ATM 1 No	Nos	2		
11	225 mm dia Heavy Duty Exhust fan 230 voltA.C.(Havells / Crompton make). (UPS & Toilet)	Nos	1		
12	Supply & installation of Main LT Panel Incomer: 100 Amp FP MCCB Cu Busbar, KWH Metering & Indicator Lamp Outgoing: a) 63 Amp FP MCB - 1 No for UPS b) 63 Amp FP MCB type Changeover c) 32 Amp DP MCB - 1 No 10/20 Amp SP MCB - 6 Nos for Raw Power d) 32 Amp DP MCB - 1 No 10/20 Amp SP MCB - 6 Nos for UPS O/P e) 63 Amp FP MCB - 1 No 20 Amp DP MCB - 4 Nos for ATM & Other Machines f) 24 Hrs Timmer with Connector with MCB -1 Nos	Nos	1		
	DATA SYSTEM - CONDUITING & CABLING				
13	providing and laying UTP Cat 6 data cable for nodes through 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from main Hub to building tag block(BSNL) & Branch to ATM	R. Mt.	40		

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B	SCHEDULE - 'A' (ELECTRICAL WORK)				
S.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
14	Wiring for computer networking from I/O hub to computer workstation with UTP Cat-6 computer cable including providing ferrules at both ends and termination at both ends including providing & fixing frame for with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes providing PVC conduits (1/2", 3/4" size or as required) in chases from the I/O hub to the point. The cost includes testing, commissioning etc complete. Note : Do not run more than 3 wire in single pipe & should be concealed. (2Nos of ATM)	Nos.	8		
15	Supply of Cat - 6 D-Link patch cord 7' 0" (ATM 1No)	Nos.	8		
16	Supply of Cat - 6 D-Link patch cord 3' 0"(ATM 1No)	Nos.	8		
17	Supply & fixing 24 Port Jack Panel Make:-D-Link	Nos.	1		
18	19" Rack 9U with Glass Door , Locking system Make: APW	Nos.	1		
19	24PORT 10/100Mbps Switch	Nos.	1		
	GRAND TOTAL				
	* GST EXTRA AS APPLICABLE				